



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0016

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLI
COMMISSIONER

July 10, 2003
Subject: New Gloucester
Project No. NH-3517(90)E
PIN 3517.90
Bid Amendment No. 2

Dear Sir/Ms.:

Please make the following changes to your Bid Package:

- 1) In Special Provision Section 104 Utilities, Section 18 (d), paragraph four, after “ terms of the contract” please insert “, including work performed under the Establishment Period,”
- 2) In Special Provision Section 105 General Scope of Work (Limitation of Operations), under Excavator - Description/Maximum Size, please delete “low ground pressure (maximum 2 psi)”.

Make these changes in pen and ink.

- 3) Please add the new attached Special Provision, Section 203 “Excavation and Embankment (Dredge Materials)”, one page dated July 8, 2003.
- 4) Please delete in its entirety Special Provision Section 614 (Coir Fiber Roll), dated June 9, 2003, and replace with the new attached Special Provision Section 614 (Coir Fiber Roll), 3 pages dated July 9, 2003.

Please make the following change to the Plan sheets.

- 1) On plan sheet number 6 of 7, under Tree Shelter Detail (TYP.), please delete the note “Bury bottom of tree shelter 1”-2” into soil” and replace with “Place bottom of tree shelter in contact with soil”.

Make this change in pen and ink.



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The following are questions and responses to:

Question 1: Is the estimated quantity of Plain Riprap (Item No. 610.08) correct?

Response: Yes.

Question 2: Can plant plugs be substituted for tubelings under Item No. 621.53?

Response: No, shrubs under this Pay Item must meet the requirements of Special Provision Section 621 Landscaping (Streambank Rehabilitation Plantings).

Question 3: Please clarify the requirements of "Exhibit C" Specifications for Private, Temporary or Farm Crossings on Railroad Right-of-Way, paragraphs 6 and 7.

Response: The requirements specified are typically required by the Railroad and should be assumed. Any modifications must be approved by the Railroad. Contact George S. Thayer, Chief Design Engineer, Boston and Maine at the number shown in Special Provision Section 104 Utilities regarding alternative work plans.

Consider these changes prior to submitting your bid on July 16, 2003.

Sincerely,

A handwritten signature in cursive script that reads "Bruce R. Carter".

Bruce R. Carter
Contracts Engineer

SPECIAL PROVISION
SECTION 203
EXCAVATION AND EMBANKMENT
(Dredge Materials)

Description: Dredge Material (See MDOT Standard Specifications § 101.2) is regulated as a Special Waste.

The Royal River at the Wetlands Mitigation site is a Class A high-quality surface water feature; therefore, the Beneficial Use of Dredge Material from Wetlands Mitigation site is exempt from regulation.

CONSTRUCTION REQUIREMENTS

Management: The contractor shall ensure that all Dredge Material excavated from the Wetlands Mitigation site is Beneficially Used in the area(s) specified by MDOT.

Basis of Payment: Dredge Material Beneficially Used will be incidental to Streambank Rehabilitation, Pay Item 614.20.

SPECIAL PROVISION
SECTION 614
(Coir Fiber Roll)

614.01 Description. This work shall consist of furnishing and installing coir fiber rolls as shown on the Plans or as otherwise directed.

614.02 Materials

Coir Fiber Roll. Coir Fiber Roll shall consist of 100% mattress quality coir fiber enclosed by a high-strength outer coir twine netting with a 2" x 2" mesh with hand-knotted junctions, and shall conform to the following:

- (a) Size - rolls shall be 20 inches in diameter and 10 feet in length;
- (b) Density - maximum 7lbs/cubic foot;
- (c) Weight - 14 lbs/linear foot;
- (d) Minimum diameter of coir twine for netting - 3/8 inch;
- (e) Minimum average breaking strength of netting - 60 lbs.

No substitutions in Coir Fiber Roll diameter will be allowed. No substitutions regarding other Coir Fiber Roll specifications will be allowed without prior approval from the Resident.

Possible sources:

Nedia Enterprises, Inc.
22187 Vantage Point Place
Ashburn, VA 20148
1-888-725-6999

Rolanka International, Inc.
155 Andrew Drive
Stockbridge, GA 30281
1-800-760-3215

Pierson Nurseries
24 Buzzell Road
Biddeford, Maine 04005
207-499-2994

Duckbill Anchors. Duckbill anchors shall be used to secure the Coir Fiber Roll to the substrate as shown on the Plans. The duckbill anchors shall be the multipurpose type, and shall conform to the following specifications:

- (a) Anchor length and width – minimum 4.5 inches by 1.0 inches
- (b) Anchor weight – minimum 4.5 oz
- (c) Cable (wire rope) length - 54 inches
- (d) Anchor holding strength (normal soil) - 1,100 lbs
- (e) Cable (wire rope) type and strength – Galvanized; 1,700 lbs

Possible source of Duckbill Anchors:

Foresight Products, LLC
6430 East 49th Drive
Commerce City, CO 80022
1-800-325-5360

Wire Rope and Hardware. Additional wire rope shall be used to join pairs of duckbill anchors as shown on the Plans. Such wire rope shall be ¼ inch diameter, galvanized, and shall be fastened using appropriately sized gripples or similar wire rope fasteners.

Possible source of gripples:

Gripple Inc,
313 Oswalt Ave
Batavia, IL 60510
1-630-406-0600

614.03 Layout. The Contractor shall mark locations and elevations of the Coir Fiber Roll along the streambank, for approval by the Resident prior to installation. Approved labeled stakes and skilled labor for this purpose shall be provided by the Contractor. A Wetland Specialist will be available to assist the Contractor determine the appropriate location and elevation of the Coir Fiber Roll.

614.04 Site Preparation and Installation. The streambank areas to receive the Coir Fiber Roll shall be prepared as shown on the plans and as directed. The Contractor shall grade and compact the soils on the bank in accordance with Special Provision Section 614 (Streambank Rehabilitation) prior to installing the Coir Fiber Roll. The Contractor shall dig a trench in the marked location to accept the Coir Fiber Roll as shown on the plans. The Coir Fiber Roll shall be placed in the trench on top of the lower edge of the specified extended-use erosion control blanket (Special Provision Section 613 – Erosion Control Blankets). The Coir Fiber Roll shall be secured to the streambank using duckbill anchors and wire rope as shown on the plans. Each roll segment shall be securely joined to the adjacent segment by tying the netting of the two ends together using heavy twine. The end of the most upstream segment of Coir Fiber Roll shall be curved and keyed into the slope. Riprap (Pay Item 610.08) shall be placed around the Coir Fiber Roll in this area to protect it from scour, as shown on the plans and as directed.

614.05 Time of Installation. The Contractor shall conduct this work during seasonal low-water conditions and in accordance with the completion dates and allowable work times in the Special Provisions Section 107 – Time.

614.06 Maintenance. The Contractor shall be responsible for maintenance, including re-anchoring and repair of the Coir Fiber Roll and all necessary slope repairs until Final Acceptance.

614.07 Method of Measurement. The quantity of Coir Fiber Roll will be measured by the number of linear feet of roll complete in place and accepted.

614.08 Basis of Payment. Coir Fiber Roll will be paid for at the contract unit price per linear foot. Such payment will be full compensation for furnishing, placing, joining and maintaining the coir rolls; all required layout, trenching and surface preparation; furnishing and placing all anchors and other hold-down devices, wire rope and hardware; and all labor, tools, materials, equipment, and other incidentals necessary to complete this work.

Riprap will be paid for separately under Item 610.08.

Payment will be made under:

Pay Item

Pay Unit

614.10 Coir Fiber Roll

Linear Foot